INFRASTRUCTURE

- Power status in FCC (UPS1)

- Bluearc disk purchase – coming soon

- Planned downtimes – none !

- Minos Cluster moving to minos50-53

- Bluearc performance – cpn working well, 1.3 Million served

- Parrot – is it dead yet ?

- Nucomp – integrated IF support

- GPCF – the New FNALU ?

SUMMARY

- Young Minos issues:

  - Minos50-54 disk - condor and /local/scratch ?

  - Lend minos54 to NoVA pending GPCF ?

  - XOC planning

- Shut down minos03-24 next week, use minos50-53

  - Xrootd, cal, off mon, build (test on minos27/50)

- Bluearc disk expansion (99 TB for MNS/MNV/NV)

- Clearing daikon07 STAGE files, up to 10 TB

- Shall the Farm run directly from our Bluearc base releases ?

- Link cp1 to cpn next week

- Remove SSH keys from CVS next week

- Parrot status – pushing up daisies ?

- GPCF out for bids

FCC POWER

- Power outages in FCC due to breaker trips Feb 9 and 17.

    - FCC has less capacity than formerly believed, not easily fixed

    - New Minos Cluster nodes are installed in GCC

    - Limited to minos01/03/05/07/12/13/16-24

    - These remaining Minos Cluster nodes should turn off ASAP

    - Minos Servers can remain in FCC on UPS

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GRID

- We continue to reach peaks of 2000 running jobs

  - still want 5000, after fixing Bluearc issues

- Still using wrapper for condor_rm, condor_hold

  - To prevent SAZ authentication overload

  - Condor 7.4 upgrade will fix this internally, soon

- Will change cp1 to be a symlink to cpn around 22 March

  - cpn has taken out over 1.3 Million locks so far

Bluearc

- Continuing performance tests

- See monitoring plots, such as

    - http://www-numi.fnal.gov/computing/dh/bluearc/rates.html

- /minos/scratch is now /minos/app, for consistency with Fermigrid

    - /minos/scratch available for compatibility for present

PARROT

- PARROT should no longer be needed at Fermilab

- All our code has been rsync'd to /grid/farmiapp/minos/...

- Production analysis is being done sans-parrot.

- We will soon start building releases in Bluearc, and not in AFS.

- We should start running Farm processing from Bluearc

    – This eliminates separate Farm builds.

- minos_jobsub should default to sans-parrot (-pOFF)

NUCOMP

- The NUCOMP coordination group is a year old. Happy Birthday !

- They'd like input on OSG Grid computing needs and experience.

- XOC is a NOCOMP-related project

- GPCF – hardware is being ordered

- We are working on revised MOU's for all experiments now.

- We are still working on approvals to hire a new Associate Scientist.

- See http://indico.fnal.gov/conferenceDisplay.py?confId=3204

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GPCF

- Initial configuration for GPCF

  - 8 interactive, 26 batch host

  - 30 TB SAN disk

  - Interactive systems will be virtual machines for flexibility

- Bids are coming in now

  - Hardware to arrive within 2 months

- Nova is the primary customer

- We will ask for at least some virtual machines for testing

  - 32 and 64 bit, SLF 5 , etc.

Minos Cluster migration

- New nodes are minos50 through minos54

    - Each roughly 8x the capacity of an old node

    - 5 nodes replacing 24, roughly x2 capacity increase

- Lend one node to NOVA short term (2 months) ?

    - They have only one node, but have 5+ on order (GPCF ?)

    - The PO is out for bids, delivery should be soon.

- Deployment plan :

    - Interactive tests NOW on minos50 – ENJOY !

    - We reserve the right to reformat local scratch disk for a few days

    - Start condor batch pool next week.

    - Shut down most old nodes, copying scratch to new nodes

    - Hold the old hardware offline about a month, 'in case'

Minos Cluster migration

- Luke Corwin and the Core Team have verified 32 bit builds on 64bit hosts

    - Validated a single production ntuple

    - Robert has heroically patched all releases to do the right thing

- http://www-numi.fnal.gov/minwork/computing/minos_cluster_users.html

    - NIS will move to minos50 and some of the FCC servers

    - Beam logger on 05 – no longer in use

    - xrootd on 07 – moving to minos27 now (minos-xrootd ?)

    - offline monitor 07 (avva) still in use ?

    - build on 11 – obsolete

    - overlay on 12/13 – obsolete (is calibration moved to 27 ?)